formulation comprising the following components:

- a) one or more UV filter substances comprising one or more sulphonic acid groups or sulphonate groups;
- b) one or more surface active substances selected from the group consisting of surface active substances having the structural formula:

$$R_1$$
— O — CH_2 — CH_2 — O — R_3

wherein

k represents 2 to 8; and

 R_1 , R_2 and R_3 independently represent a member selected from the group consisting of:

- i) hydrogen, except that at least one of R_1 , R_2 and R_3 must be other than hydrogen;
- ii) branched or unbranched, saturated or unsaturated aliphatic radicals; and
- iii) branched or unbranced, saturated or unsaturated

B/ M

acyl radicals, wherein the acids on which said acyl radicals are based are independently selected from the group consisting of:

- 1) branched or unbranched, saturated or unsaturated aliphaticcarboxylic acids having from 8 to 24 carbon atoms, in which up to 3 aliphatic hydrogen atoms can be substituted by hydroxyl groups; and
- 2) polyester radicals of the formula:

wherein

R' is selected from the group consisting of branched and unbranched alkyl groups having from 1 to 20 carbon atoms;



- R" is selected from the group consisting of branched and unbranched alkylene groups having from 1 to 20 carbon atoms; and
- b represents 0 to 200; and
- c) one or more cosmetically or pharmaceutically acceptable, superficially hydrophobic inorganic pigments.--
- -13. A water-resistant cosmetic or dermatological sunscreen formulation according to claim 12, wherein R_1 , R_2 and R_3 independently represent a member selected from the group consisting of hydrogen, methyl, ethyl, propyl, isopropyl, myristoyl, palmitoyl, stearoyl, eicosoyl, compounds of the formula:

$$CH_3$$
 CH_2 CH_2 CH_3 CH_3

wherein n is from 10 to 20, and compounds of the formula:

$$CH_3$$
— CH_2 — CH_2 — CH_3 —

wherein m is from 9 to 19.--

--14. A water-resistant cosmetic or dermatological sunscreen formulation |9051earoy|/ according to claim 13, wherein at least one of R_1 , R_2 or R_3 represents isosteary of R_3 .--

- --15. A water-resistant cosmetic or dermatological sunscreen formulation according to claim 12, wherein component b) is selected from the group consisting of polyglyceryl-4 isostearate, polyglyceryl-3 diisostearate, polyglyceryl-2 sesquiisostearate and polyglyceryl-2 polyhydroxystearate.--
- --16. A water-resistant cosmetic or dermatological sunscreen formulation according to claim 12, wherein component b) is present in said formulation in a concentration of 0.005 to 50% by weight based on the total weight of the formulation.--
- --17. A water-resistant cosmetic or dermatological sunscreen formulation according to claim 16, wherein component b) is present in said formulation in a concentration of 0.5 to 10% by weight based on the total weight of the formulation.--
- --18. A water-resistant cosmetic or dermatological sunscreen formulation according to claim 17, wherein component b) is present in said formulation in a concentration of 1.0 to 5% by weight based on the total weight of the formulation.--
- --19. A method of achieving or increasing the water resistance of a cosmetic or dermatological sunscreen formulation in the form of an oil-in-water (O/W)

emulsion or a water-in-oil emulsion (W/O), said formulation comprising the following components:

- By
- a) one or more UV filter substances comprising one or more sulphonic acid groups or sulphonate groups; and
- b) one or more surface active substances selected from the group consisting of surface active substances having the structural formula:

$$R_1$$
 O CH_2 CH CH_2 O R_3

wherein

k represents 2 to 8; and

 R_1 , R_2 and R_3 independently represent a member selected from the group consisting of:

- i) hydrogen, except that at least one of R_1 , R_2 and R_3 must be other than hydrogen;
- ii) branched or unbranched, saturated or unsaturated aliphatic radicals; and



- iii) branched or unbranced, saturated or unsaturated acyl radicals, wherein the acids on which said acyl radicals are based are independently selected from the group consisting of:
 - 1) branched or unbranched, saturated or unsaturated aliphaticcarboxylic acids having from 8 to 24 carbon atoms, in which up to 3 aliphatic hydrogen atoms can be substituted by hydroxyl groups; and
 - 2) polyester radicals of the formula:

$$\begin{array}{c} -Q \\ C - R'' - CH - R' \\ O \\ O \\ C - R'' - CH - R' \\ O \\ O \\ O \\ H \end{array}$$

wherein

R' is selected from the group consisting of branched and unbranched alkyl groups having from 1 to 20 carbon atoms;

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Both

R" is selected from the group consisting of branched and unbranched alkylene groups having from 1 to 20 carbon atoms; and

b represents 0 to 200;

said method comprising incorporating a superficially hydrophobic inorganic pigment into the oil phase of said O/W or W/O emulsion.--

- --20. The method according to claim 19, further comprising incorporating a hydrophilic inorganic pigment into the water phase of said O/W or W/O emulsion.--
- --21. The method according to claim 19, wherein R_1 , R_2 and R_3 independently represent a member selected from the group consisting of hydrogen, methyl, ethyl, propyl, isopropyl, myristoyl, palmitoyl, stearoyl, eicosoyl, compounds of the formula:

$$CH_3$$
 CH_3 CH_2 CH_2 CH_3 CH_3

wherein n is from 10 to 20, and compounds of the formula:

$$CH_3$$
— CH_2 — CH_2 — CH_3 — CH_2 — CH_3 —

wherein m is from 9 to 19.--

- --22. The method according to claim 21, wherein at least one of $\rm R_{1},\,R_{2}$ or $\rm R_{3}$ represents isosteary \(\phi \) l.--
 - The method according to claim 19, wherein component b) is selected from the group consisting of polyglyceryl-4 isostearate, polyglyceryl-3 diisostearate, polyglyceryl-2 sesquiisostearate and polyglyceryl-2 polyhydroxystearate.--
 - The method according to claim 19, wherein component b) is present in said formulation in a concentration of 0.005 to 50% by weight based on the total weight of the formulation .--
 - The method according to claim 24, wherein component b) is present in said formulation in a concentration of 0.5 to 10% by weight based on the total weight of the formulation .--
 - The method according to claim 25, wherein component b) is present in said formulation in a concentration of 1.0 to 5% by weight based on the total weight of the formulation.--